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MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

## Central Valley Regional Water Quality Control Board

17 April 2015

Stephen Kowalewski  
Contra Costa County Public Works  
255 Glacier Drive  
Martinez, CA 94553

CERTIFIED MAIL  
7014 2120 0001 3978 4979

***CLEAN WATER ACT §401 TECHNICALLY CONDITIONED WATER QUALITY  
CERTIFICATION; CONTRA COSTA COUNTY PUBLIC WORKS, OROWOOD ROAD BRIDGE  
REPLACEMENT PROJECT (WDID#5B07CR00166), CONTRA COSTA COUNTY***

This Order responds to the 30 December 2014 application submitted by Contra Costa County Public Works (Applicant) for the Water Quality Certification of the Orrowood Road Bridge Replacement Project (Project) permanently impacting 0.003 acre/24 linear feet and temporarily impacting 0.029 acre/42 linear feet of waters of the United States.

This Order serves as certification of the United States Army Corps of Engineers' Nationwide Permit #14 under § 401 of the Clean Water Act, and a Waste Discharge Requirement under the Porter-Cologne Water Quality Control Act and State Water Board Order 2003-0017-DWQ.

**WATER QUALITY CERTIFICATION STANDARD CONDITIONS:**

1. This Order serves as a Water Quality Certification (Certification) action that is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to § 13330 of the California Water Code and § 3867 of the California Code of Regulations.
2. This Certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to § 3855(b) of the California Code of Regulations, and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. The validity of any non-denial Certification action shall be conditioned upon total payment of the full fee required under § 3860(c) of the California Code of Regulations.
4. This Certification is no longer valid if the project (as described) is modified, or coverage under § 404 of the Clean Water Act has expired.

KARL E. LONGLEY ScD, P.E., CHAIR | PAMELA C. CREEDON P.E., BCEE, EXECUTIVE OFFICER

11020 Sun Center Drive #200, Rancho Cordova, CA 95670 | [www.waterboards.ca.gov/centralvalley](http://www.waterboards.ca.gov/centralvalley)

5. All reports, notices, or other documents required by this Certification or requested by the Central Valley Regional Water Quality Control Board (Central Valley Water Board) shall be signed by a person described below or by a duly authorized representative of that person.
  - (a) For a corporation: by a responsible corporate officer such as: 1) a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function; 2) any other person who performs similar policy or decision-making functions for the corporation; or 3) the manager of one or more manufacturing, production, or operating facilities if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
  - (b) For a partnership or sole proprietorship: by a general partner or the proprietor.
  - (c) For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official.

6. Any person signing a document under Standard Condition number 5 shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

#### **TECHNICAL CERTIFICATION CONDITIONS:**

In addition to the above standard conditions, the Applicant shall satisfy the following:

1. The Applicant shall notify the Central Valley Water Board in writing seven (7) days in advance of the start of any work within waters of the United States.
2. Except for activities permitted by the United States Army Corps of Engineers under § 404 of the Clean Water Act, soil, silt, or other organic materials shall not be placed where such materials could pass into surface water or surface water drainage courses.
3. The Applicant shall maintain a copy of this Certification and supporting documentation (Project Information Sheet) at the Project site during construction for review by site personnel and agencies. All personnel (employees, contractors, and subcontractors) performing work on the proposed project shall be adequately informed and trained regarding the conditions of this Certification.

4. The Applicant shall perform surface water sampling<sup>1</sup>:
- a) when performing any in-water work;
  - b) in the event that project activities result in any materials reaching surface waters; or
  - c) when any activities result in the creation of a visible plume in surface waters.

The sampling requirements in Table 1 shall be conducted upstream out of the influence of the project, and 300 feet downstream of the work area. The sampling frequency may be modified for certain projects with written approval from Central Valley Water Board staff.

**Table 1:**

Parameter	Unit	Type of Sample	Minimum Sampling Frequency	Required Analytical Test Method
Turbidity	NTU	Grab <sup>(1)</sup>	Every 4 hours during in-water work	(2, 4)
Settleable Material	mL/L	Grab <sup>(1)</sup>	Every 4 hours during in-water work	(2)
Visible construction related pollutants <sup>(3)</sup>	Observations	Visual Inspections	Continuous throughout the construction period	—
pH	Standard Units	Grab <sup>(1)</sup>	Every 4 hours during in-water work	(2, 4)

<sup>(1)</sup> Grab samples shall not be collected at the same time each day to get a complete representation of variations in the receiving water.

<sup>(2)</sup> Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136; where no methods are specified for a given pollutant, the method shall be approved by Central Valley Water Board staff.

<sup>(3)</sup> Visible construction-related pollutants include oil, grease, foam, fuel, petroleum products, and construction-related, excavated, organic or earthen materials.

<sup>(4)</sup> A hand-held field meter may be used, provided the meter utilizes a USEPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.

<sup>1</sup> Sampling is not required in wetlands that are being permanently filled; provided there is no outflow connecting the wetland to surface waters.

Surface water sampling shall occur at mid-depth. A surface water monitoring report shall be submitted within two weeks of initiation of in-water construction, and every two weeks thereafter. In reporting the sampling data, the Applicant shall arrange the data in tabular form so that the sampling locations, date, constituents, and concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the project complies with Certification requirements. The report shall include surface water sampling results, visual observations, and identification of the turbidity increase in the receiving water applicable to the natural turbidity conditions specified in the turbidity criteria below.

If no sampling is required, the Applicant shall submit a written statement stating, "No sampling was required" within one week of initiation of in-water construction.

5. The Central Valley Water Board adopted a *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised October 2011 (Basin Plan) that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. Turbidity, and settleable matter limits are based on water quality objectives contained in the Basin Plan and are part of this Certification as follows:

- a) Activities shall not cause turbidity increases in surface water to exceed:
  - i. where natural turbidity is less than 1 Nephelometric Turbidity Units (NTUs), controllable factors shall not cause downstream turbidity to exceed 2 NTUs;
  - ii. where natural turbidity is between 1 and 5 NTUs, increases shall not exceed 1 NTU;
  - iii. where natural turbidity is between 5 and 50 NTUs, increases shall not exceed 20 percent;
  - iv. where natural turbidity is between 50 and 100 NTUs, increases shall not exceed 10 NTUs; and
  - v. where natural turbidity is greater than 100 NTUs, increases shall not exceed 10 percent.

Except that these limits will be eased during in-water working periods to allow a turbidity increase of 15 NTUs over background turbidity. In determining compliance with the above limits, appropriate averaging periods may be applied provided that beneficial uses will be fully protected. Averaging periods may only be used with prior approval of the Central Valley Water Board staff.

- b) Activities shall not cause settleable matter to exceed 0.1 mL/L in surface waters as measured in surface waters within 300 feet downstream of the project.
  - c) Activities shall not cause pH to be depressed below 6.5 nor raised above 8.5 in surface water.
6. The Applicant shall notify the Central Valley Water Board immediately if the above criteria for turbidity, settleable matter or other water quality objectives are exceeded.



7. Work shall occur during periods of low flow and no precipitation.
8. Refueling of equipment within the floodplain or within 300 feet of the waterway is prohibited. If critical equipment must be refueled within 300 feet of the waterway, spill prevention and countermeasures must be implemented to avoid spills. Refueling areas shall be provided with secondary containment including drip pans and/or placement of absorbent material. No hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, or other construction-related potentially hazardous substances should be stored within a floodplain or within 300 feet of a waterway. The Applicant must perform frequent inspections of construction equipment prior to utilizing it near surface waters to ensure leaks from the equipment are not occurring and are not a threat to water quality.
9. The Applicant shall develop and maintain onsite a project-specific Spill Prevention, Containment and Cleanup Plan outlining the practices to prevent, minimize, and/or clean up potential spills during construction of the project. The Plan must detail the project elements, construction equipment types and location, access and staging and construction sequence.
10. Raw cement, concrete (or washing thereof), asphalt, drilling fluids, lubricants, paints, coating material, oil, petroleum products, or any other substances which could be hazardous to fish and wildlife resulting from or disturbed by project-related activities, shall be prevented from contaminating the soil and/or entering waters of the United States.
11. Concrete must be completely cured before coming into contact with waters of the United States. Surface water that contacts wet concrete must be pumped out and disposed of at an appropriate off-site commercial facility, which is authorized to accept concrete wastes.
12. A method of containment must be used below the bridge to prevent debris from falling into the water body through the entire duration of the project.
13. Silt fencing, straw wattles, or other effective management practices must be used along the construction zone to minimize soil or sediment along the embankments from migrating into the waters of the United States through the entire duration of the project.
14. The use of netting material (e.g., monofilament-based erosion blankets) that could trap aquatic dependent wildlife is prohibited within the project area.
15. All areas disturbed by project activities shall be protected from washout and erosion.
16. All temporarily affected areas shall be restored to pre-construction contours and conditions upon completion of construction activities.
17. Hydroseeding shall be performed with California native seed mix.
18. All materials resulting from the project shall be removed from the site and disposed of properly.

19. This Certification does not allow permanent water diversion of flow from the receiving water. This Certification is invalid if any water is permanently diverted as a part of the project.
20. If temporary surface water diversions and/or dewatering are anticipated, the Applicant shall develop and maintain on-site a Surface Water Diversion and/or Dewatering Plan(s). The Plan(s) shall include the proposed method and duration of diversion activities. The Surface Water Diversion and/or Dewatering Plan(s) must be consistent with this Certification.
21. When work in a flowing stream is unavoidable and any dam or other artificial obstruction is being constructed, maintained, or placed in operation, sufficient water shall at all times be allowed to pass downstream, to maintain beneficial uses of waters of the State below the dam. Construction, dewatering, and removal of temporary cofferdams shall not violate Technical Certification Condition 5 of this Certification.
22. Any temporary dam or other artificial obstruction constructed shall only be built from clean materials such as sandbags, gravel bags, water dams, or clean/washed gravel which will cause little or no siltation. Stream flow shall be temporarily diverted using gravity flow through temporary culverts/pipes or pumped around the work site with the use of hoses.
23. The discharge of petroleum products, any construction materials, hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, raw cement, concrete, asphalt, paint, coating material, drilling fluids, or other construction-related potentially hazardous substances to surface water and/or soil is prohibited. In the event of a prohibited discharge, the Applicant shall notify the Central Valley Water Board Contact within 24-hours of the discharge. Activities shall not cause visible oil, grease, or foam in the receiving water.
24. The Applicant shall apply for a name change or amendment to this Certification should any of the following occur: a) a change in the ownership of all or any portion of the Orowood Road Bridge Replacement Project; b) any change in the project description; c) any change involving discharge amounts, temporary impacts, or permanent impacts; or d) amendments, modifications, revisions, extensions, or changes to the United States Army Corps of Engineers' Nationwide Permit #14, the United States Fish and Wildlife Service decision document(s), the National Marine Fisheries Service, or the California Department of Fish and Wildlife Streambed Alteration Agreement.
25. The Applicant shall submit a copy of the final, signed and dated Lake or Streambed Alteration Agreement to the Central Valley Water Board Contact within 14 days of issuance by the California Department of Fish and Wildlife.
26. The Applicant shall comply with all California Department of Fish and Wildlife requirements, including those requirements described in the Lake or Streambed Alteration Agreement.
27. The Applicant shall comply with all United States Fish and Wildlife Service requirements, including those requirements described in the Biological Opinion (08FBDT00-2012-F-0030), dated 12 October 2012.

28. The Applicant shall comply with all National Marine Fisheries Service requirements, including those requirements described in the Biological Opinion (SWR-2-12-2487), dated 3 January 2013.
29. If the Project will involve land disturbance activities of one or more acres, or where the project disturbs less than one acre but is part of a larger common plan of development that in total disturbs one or more acres, the Applicant shall obtain coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities Order No. 2009-0009-DWQ for discharges to surface waters comprised of storm water associated with construction activity.
30. The Conditions in this Certification are based on the information in the attached "Project Information Sheet." If the actual project, as described in the attached Project Information Sheet, is modified or changed, this Certification is no longer valid until amended by the Central Valley Water Board.
31. The Applicant shall implement each of the mitigation measures specified in the approved Mitigated Negative Declaration for the project, as they pertain to biology, hydrology and water quality impacts as required by § 21081.6 of the Public Resource Code and § 15097 of the California Code of Regulations.
32. In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. The applicability of any state law authorizing remedies, penalties, process, or sanctions for the violation or threatened violation constitutes a limitation necessary to ensure compliance with this Certification.
  - (a) If the Applicant or a duly authorized representative of the project fails or refuses to furnish technical or monitoring reports, as required under this Certification, or falsifies any information provided in the monitoring reports, the applicant is subject to civil liability, for each day of violation, and/or criminal liability.
  - (b) In response to a suspected violation of any condition of this Certification, the Central Valley Water Board may require the Applicant to furnish, under penalty of perjury, any technical or monitoring reports the Central Valley Water Board deems appropriate, provided that the burden, including cost of the reports, shall be in reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
  - (c) The Applicant shall allow the staff of the Central Valley Water Board, or an authorized representative(s), upon the presentation of credentials and other documents, as may be required by law, to enter the project premises for inspection, including taking photographs and securing copies of project-related records, for the purpose of assuring compliance with this Certification and determining the ecological success of the project.

33. The Applicant shall provide a Notice of Completion (NOC) no later than 30 days after the project completion. The NOC shall demonstrate that the project has been carried out in accordance with the project description in the Certification and in any approved amendments. The NOC shall include a map of the project location(s), including final boundaries of any on-site restoration area(s), if appropriate, and representative pre and post construction photographs. Each photograph shall include a descriptive title, date taken, photographic site, and photographic orientation.

#### **NOTIFICATIONS AND REPORTS:**

34. The Applicant shall submit all notifications, submissions, materials, data, correspondence, and reports in a searchable Portable Document Format (PDF). Documents less than 50 MB must be emailed to: [centralvalleysacramento@waterboards.ca.gov](mailto:centralvalleysacramento@waterboards.ca.gov). In the subject line of the email, include the Central Valley Water Board Contact, project name, and WDID number as shown in the subject line above. Documents that are 50 MB or larger must be transferred to a disk and mailed to the Central Valley Water Board Contact.

#### **CENTRAL VALLEY WATER BOARD CONTACT:**

Trevor Cleak, Environmental Scientist  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive, Suite 200  
Rancho Cordova, CA 95670-8114  
[Trevor.Cleak@waterboards.ca.gov](mailto:Trevor.Cleak@waterboards.ca.gov)  
(916) 464-4684

#### **CALIFORNIA ENVIRONMENTAL QUALITY ACT:**

Contra Costa County is the Lead Agency responsible for compliance with the California Environmental Quality Act for the Orowood Road Bridge Replacement Project pursuant to § 21000 et seq. of the Public Resources Code. Contra Costa County approved the Mitigated Negative Declaration on 4 June 2013. The Notice of Determination was filled with the Contra Costa County Clerk on 14 August 2013.

The Central Valley Water Board is a responsible agency for the project. The Central Valley Water Board has determined that the Mitigated Negative Declaration is in accordance with the requirements of the California Environmental Quality Act.

The Central Valley Water Board has reviewed and evaluated the impacts to water quality identified in the Mitigated Negative Declaration. The mitigation measures discussed in the Mitigated Negative Declaration to minimize project impacts to State waters are required by this Certification.

With regard to the remaining impacts identified in the Mitigated Negative Declaration the corresponding mitigation measures proposed are within the responsibility and jurisdiction of other public agencies.

**WATER QUALITY CERTIFICATION:**

I hereby issue an Order certifying that any discharge from the Contra Costa County Public Works, Orowood Road Bridge Replacement Project (WDID#5B07CR00166) will comply with the applicable provisions of § 301 ("Effluent Limitations"), § 302 ("Water Quality Related Effluent Limitations"), § 303 ("Water Quality Standards and Implementation Plans"), § 306 ("National Standards of Performance"), and § 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. This discharge is also regulated under State Water Resources Control Board Water Quality Order No. 2003-0017 DWQ "Statewide General Waste Discharge Requirements For Dredged Or Fill Discharges That Have Received State Water Quality Certification (General WDRs)".

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on a) the discharge being limited and all proposed mitigation being completed in compliance with the conditions of this Certification, Contra Costa County Public Works' application package, and the attached Project Information Sheet, and b) compliance with all applicable requirements of the *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised October 2011.



Pamela C. Creedon  
Executive Officer

Enclosure: Project Information Sheet

Attachment: Figure 1 – Project Location Map

cc: Distribution List, page 14

## PROJECT INFORMATION SHEET

**Application Date:** 30 December 2014

**Applicant:** Stephen Kowalewski  
Contra Costa County Public Works  
255 Glacier Drive  
Martinez, CA 94553

**Applicant Representative:** Hillary Heard  
Contra Costa County Public Works  
255 Glacier Drive  
Martinez, CA 94553

**Project Name:** Orowood Road Bridge Replacement Project

**Application Number:** WDID#5B07CR00166

**Date on Public Notice:** 2 January 2015

**Date Application Deemed Complete:** 13 February 2015

**Type of Project:** Transportation – bridge replacement

**Approved Months of Project Implementation:** 15 June through 31 October

**Project Location:** Section 11, Township 1 North, Range 3 East, MDB&M.  
Latitude: 37°56' 23.8812"N and Longitude: 121°36' 37.4862"W

**County:** Contra Costa County

**Receiving Water(s) (hydrologic unit):** Werner Dredge Cut and unnamed wetlands, San Joaquin Hydrologic Basin, San Joaquin Delta Hydrologic Unit #544.00

**Water Body Type:** Wetland, Streambed

**Designated Beneficial Uses:** The *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised October 2011 (Basin Plan) has designated beneficial uses for surface and ground waters within the region. Beneficial uses that could be impacted by the project include, but are not limited to: Municipal and Domestic Water Supply (MUN); Agricultural Supply (AGR); Industrial Supply (IND); Hydropower Generation (POW); Groundwater Recharge (GWR); Water Contact Recreation (REC-1); Non-Contact Water Recreation (REC-2); Warm Freshwater Habitat (WARM); Cold Freshwater Habitat (COLD); Preservation of Biological Habitats of Special Significance (BIOL); Rare, Threatened, or Endangered Species (RARE); Migration of Aquatic Organisms (MIGR); Spawning, Reproduction, and/or Early Development (SPWN); and Wildlife Habitat (WILD). A

comprehensive and specific list of the beneficial uses applicable for the project area can be found at [http://www.waterboards.ca.gov/centralvalley/water\\_issues/basin\\_plans/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/index.shtml).

**303(d) List of Water Quality Limited Segments:** Werner Dredge Cut and unnamed wetlands are the receiving waters for the Orowood Road Bridge Replacement Project. Werner Dredge Cut is on the 303(d) list for chlorpyrifos, dichlorodiphenyltrichloroethane, diazinon, group A pesticides, invasive species, mercury, and unknown toxicity. This project, as conditioned with mitigation measures to prevent transport of sediment due to project activities, will minimize impacts to Werner Dredge Cut. The most recent list of approved water quality limited segments is found at: [http://www.waterboards.ca.gov/water\\_issues/programs/tmdl/integrated2010.shtml](http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml).

**Project Description:** The Orowood Road Bridge Replacement Project (Project) consists of replacing the existing 230-foot long by 25-foot wide Orowood Bridge with a new 220-foot long by 44-foot wide bridge. The Project is located approximately 0.8 miles east of the intersection of Orowood Road and Bixler Road in Contra Costa County.

The existing bridge will be removed by cutting off the existing bridge piles at the mud line. The new bridge will be located approximately 17 feet north of the existing twelve-span bridge. The new bridge will consist of two bents, with each bent consisting of two piles. Each pile will have an approximately 6-foot diameter base and a 4-foot diameter column that connects to the bent cap and the bridge deck. The footings will require cast-in-hole concrete piles for support. The piles will require approximately 443 cubic yards of cast-in-place concrete to be placed into the streambed. A temporary concrete trestle will be constructed in the streambed to allow construction equipment to access the bridge. The trestle will be left in place until the Project's construction activity is completed.

Access to the staging area will be achieved by placing a temporary 35-foot wide by 20-foot long flat culvert over a wetland. The temporary culvert will require approximately 119 cubic yards of gravel to be temporarily placed into 0.0018 acre of the wetland. The new bridge will require a drainage system that will be located on the east side of the new bridge and outfall into Werner Dredge Cut. The new outfall will require approximately 35 cubic yards of rock to be placed into 0.001 acre of wetland.

The construction of the abutments will not impact waters of the United States. The channel is anticipated to be dry during construction, but dewatering activities may be required depending on the conditions during construction. A dewatering plan will be submitted to our office in accordance with the conditions of this Certification. The construction activity may require multiple construction seasons to complete.

The Project will permanently impact 0.003 acre/24 linear feet and temporarily impact 0.029 acre/42 linear feet of waters of the United States.

**Preliminary Water Quality Concerns:** Construction activities may impact surface waters with increased turbidity, settleable matter, and pH.



**Proposed Mitigation to Address Concerns:** The Applicant will implement Best Management Practices to control sedimentation and erosion. The Applicant will conduct turbidity, settleable matter, and pH testing during in-water work, stopping work if Basin Plan criteria are exceeded or observations indicate an exceedance of a water quality objective. All temporary affected areas will be restored to pre-construction contours and conditions upon completion of construction activities to provide 1:1 mitigation for temporary impacts.

**Excavation/Fill Area:** Approximately 89 cubic yards of native soil will be excavated from 0.003 acre of waters of the United States, and 119 cubic yards of gravel will be excavated from 0.029 acre of waters of the United States.

Approximately 35 cubic yards of rock and 443 cubic yards of cast-in-place concrete will be placed into 0.003 acre of waters of the United States, and 119 cubic yards of gravel will be temporarily placed into 0.029 acre of waters of the United States.

**Dredge Volume:** None

**California Integrated Water Quality System Impact Data:** The Project will permanently impact 0.003 acre/24 linear feet of wetland and stream bed and temporarily impact 0.029 acre/42 linear feet of wetland and stream bed from fill and excavation activities.

**Table 2: Impacts from Fill and Excavation Activities**

Water Feature Type	Permanent			Temporary		
	Acre(s)	Linear Feet	Cubic Yards	Acre(s)	Linear Feet	Cubic Yards
Wetlands						
Unnamed wetland	0.001	-	-	0.018	-	-
Wetlands Total	0.001	-	-	0.018	-	-
Stream Channel						
Werner Dredge Cut	0.002	24	-	0.011	42	-
Stream Total	0.002	24	-	0.011	42	-
<b>Total Impacts</b>	<b>0.003</b>	<b>24</b>	<b>-</b>	<b>0.029</b>	<b>42</b>	<b>-</b>

**United States Army Corps of Engineers Permit Type:** Nationwide Permit #14

**California Department of Fish and Wildlife Lake or Streambed Alteration Agreement:** The Applicant applied for a Lake or Streambed Alteration Agreement on 27 February 2015.

**Possible Listed Species:** Giant garter snake and Swainson's hawk

**Status of CEQA Compliance:** Contra Costa County is the Lead Agency responsible for compliance with the California Environmental Quality Act for the Orowood Road Bridge Replacement Project pursuant to § 21000 et seq. of the Public Resources Code. Contra Costa

County approved the Mitigated Negative Declaration on 4 June 2013. The Notice of Determination was filed with the Contra Costa County Clerk on 14 August 2013.

The Central Valley Water Board will file a Notice of Determination with the State Clearinghouse as a responsible agency within five (5) days of the date of this Certification.

**Compensatory Mitigation:** The Applicant has provided an agreement of sale for the purchase of 0.24 acre of Delta smelt/Longfin smelt conservation credits from Liberty Island Holdings LLC to mitigate for 0.003 acre of impacts to Delta smelt/Longfin smelt habitat, which are waters of the United States, dated 7 August 2012. The mitigation is required by the United States Fish and Wildlife Service.

**Application Fee Provided:** Total fees of \$1,361.00 have been submitted to the Central Valley Water Board as required by § 3833(b)(3)(A) and § 2200(a)(3) of the California Code of Regulations.

**DISTRIBUTION LIST**

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Long Beach, California 90802

Department of Fish and Wildlife  
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Napa, CA 94558

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Bill Orme (Electronic copy only)  
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State Water Resources Control Board

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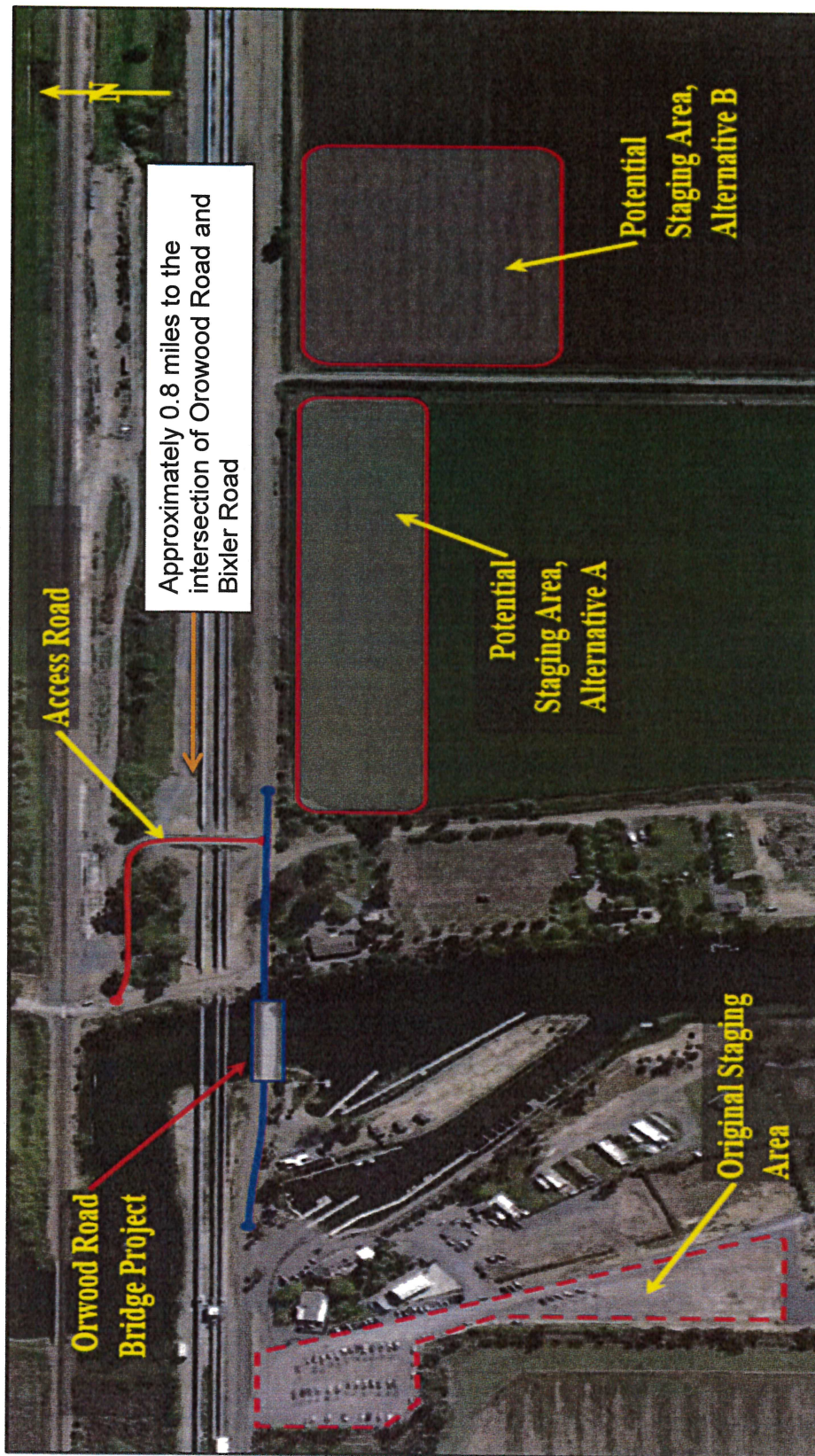


Figure 1 – Project Location Map

